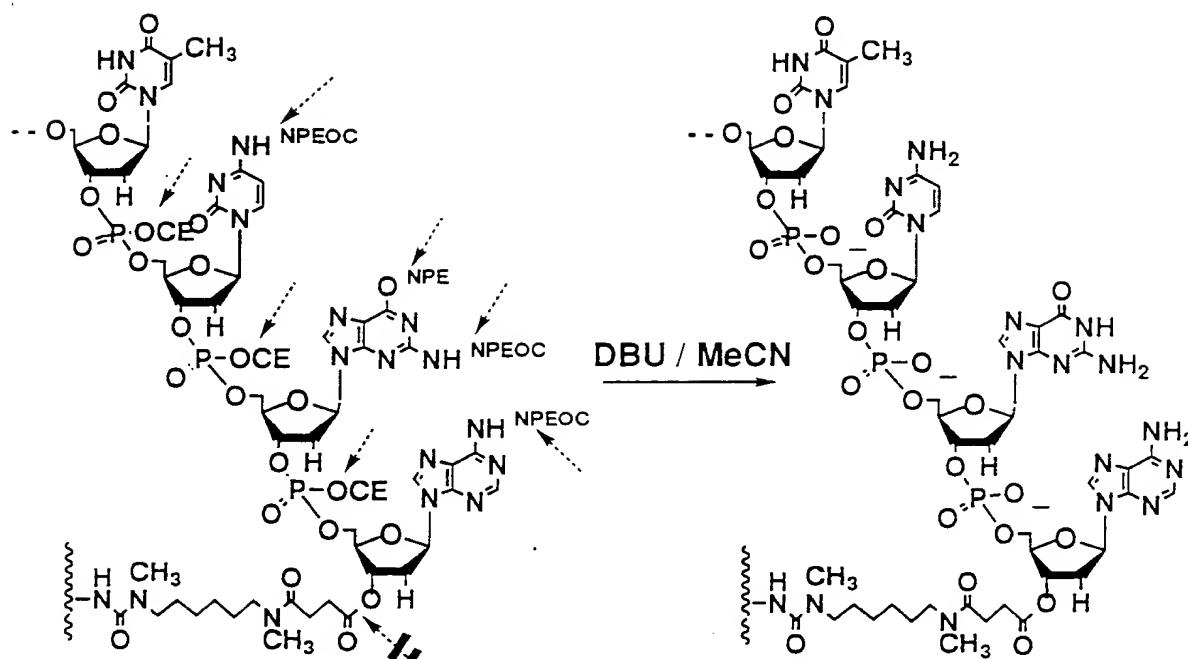
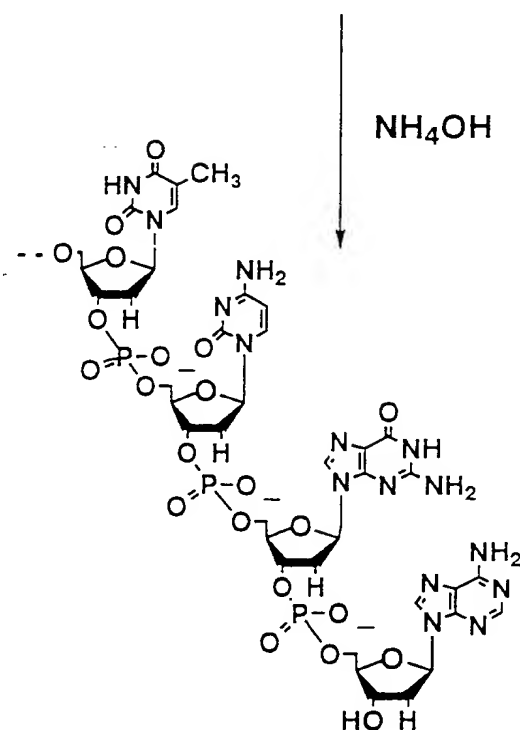


III. 2

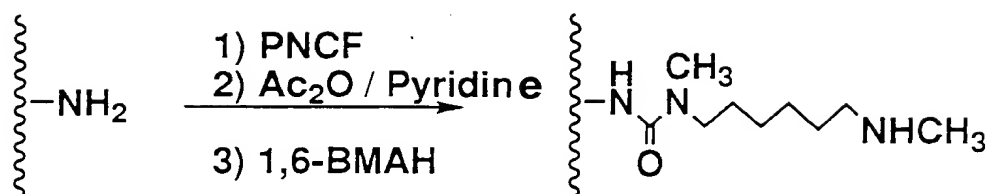


Option I: Hybridization experiments
On oligonucleotide arrays

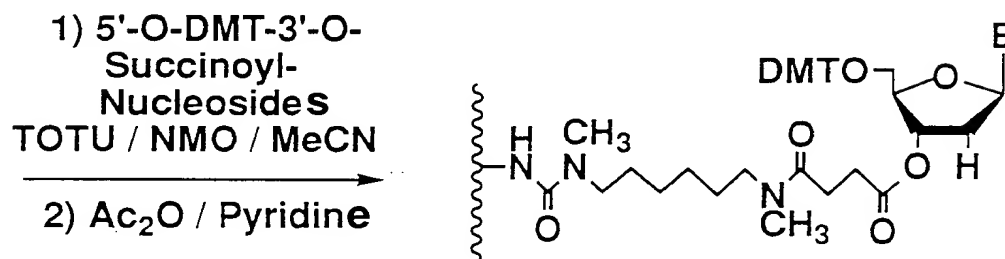


III. 3

Option II: Removal of DNA primers for PCR or sequencing



PNCF = p-Nitrophenylchloroformate
 1,6-BMAH = 1,6-Bis-(methylamino)-hexane



NMO = n-Methylmorpholine
 B = dA^{NPEOC}, dG^{NPE/NPEOC}, dC^{NPEOC}, dT, dC^{flu}

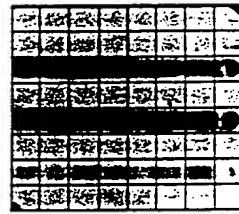
(a) 5'-CATGCAAGC-3'



A 5'-TCACTATAGGGAATTCGAGCTCGGTA-X
 B 5'-GCTTGCATGCCTGCAGGTCGACTCT-X
 C 5'-TTTTT-X
 D -
 E 5'-TTTTT-X
 F 5'-CGAGCTCGGTA-X
 G 5'-TTTTT-X
 H 5'-AGGTCGACTCT-X

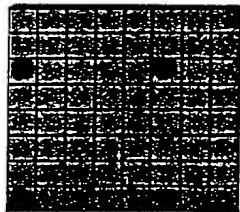
1 2 3 4 5 6 7 8
 X = C^a A C C^a - A C C^a - 3'

(b) 5'-GAAAAAAAAA-3'



1 2 3 4 5 6 7 8
 X = C^a A C C^a - A C C^a - 3'

(c) 5'-GCCGTCGTT-3'



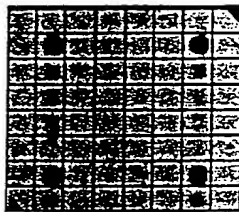
A 5'-TAATACGACTCACTATAGGG-X
 B 5'-GCTTGCATGCCTGCAGG-X
 C 5'-GTAAACGA-X
 D 5'-X
 E 5'-X
 F 5'-TAATACGACTCACTATAGGG-X
 G 5'-GCTTGCATGCCTGCAGG-X
 H 5'-GTAAACGA-X

1 2 3 4 5 6 7 8
 X =

C	T	A	T	-	C	T	A
G	C	A	T	-	G	C	A
G	G	T	T	-	G	G	T
C	A	T	T	-	C	A	T
A	C	C	T	-	A	C	C
G	T	G	T	-	G	T	G
T	C	A	T	-	T	C	A
G	T	G	C	-	G	T	G
A	C	-	-	-	A	C	-

 3'

(d) 5'-GTCGACCTG-3'



1 2 3 4 5 6 7 8
 X =

C	T	A	T	-	C	T	A
G	C	A	T	-	G	C	A
G	G	T	T	-	G	G	T
C	A	T	T	-	C	A	T
A	C	C	T	-	A	C	C
G	T	G	T	-	G	T	G
T	C	A	T	-	T	C	A
G	T	G	C	-	G	T	G
A	C	-	-	-	A	C	-

 3'



III. 6